

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/786,474

DATE: 07/27/2001

TIME: 19:50:51

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Output Set: N:\CRF3\07272001\I786474.raw

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4 <110> APPLICANT: NAGAI, KAZUO  
5 WACHI, MASAOKI  
7 <120> TITLE OF INVENTION: NOVEL GENE  
9 <130> FILE REFERENCE: 084335/0131  
11 <140> CURRENT APPLICATION NUMBER: 09/786,474  
12 <141> CURRENT FILING DATE: 2001-03-05  
14 <150> PRIOR APPLICATION NUMBER: PCT/JP98/03981  
15 <151> PRIOR FILING DATE: 1998-09-04  
17 <160> NUMBER OF SEQ ID NOS: 6  
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22 <211> LENGTH: 1920  
23 <212> TYPE: DNA  
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31 gacgcgatg cagcggttg attcaaccgc ctctccatca ttgatattgc aactccac 180  
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93 <211> LENGTH: 640
94 <212> TYPE: PRT
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102           20           25           30
104 Pro Asp Asp Ala Gly Thr Trp His Asp Ala Asp Ala Ala Phe Gly Phe
105           35           40           45
107 Asn Arg Leu Ser Ile Ile Asp Ile Ala His Ser His Gln Pro Leu Arg
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111           65           70           75           80
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116 Tyr Thr Phe Asn Thr Ser Gly Asp Gly Glu Pro Ile Val Val Gly Phe
117           100          105          110
119 His His Trp Gly Glu Ser Val Val Glu His Leu Arg Gly Met Phe Gly
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122 Ile Ala Ile Trp Asp Thr Lys Glu Lys Ser Leu Phe Leu Ala Arg Asp
123           130          135          140
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126           145          150          155          160
128 Val Phe Ser Ser Glu Lys Lys Thr Ile Leu Glu Met Ala Glu Glu Met
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131 Asn Leu Asp Leu Gly Leu Asp Lys Arg Thr Ile Glu His Tyr Val Asp
132           180          185          190
134 Leu Gln Tyr Val Pro Glu Pro Asp Thr Leu His Ala Gln Ile Ser Arg
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140 Gln Lys Arg Tyr Phe Lys Pro Gln Phe Pro Val Gln Lys Val Val Lys
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152 Asn Pro Asp Leu Leu Thr Phe Thr Thr Gly Phe Glu Arg Glu Gly Tyr
153           290          295          300
155 Ser Glu Val Asp Val Ala Ala Glu Ser Ala Ala Ala Ile Gly Ala Glu
156           305          310          315          320
158 His Ile Val Lys Ile Val Ser Pro Glu Glu Tyr Ala Asn Ala Ile Pro
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171 385           390           395           400
173 Arg Lys Gly Leu Gly Lys Leu Ser Lys Val Leu Pro Asp Gly Met Lys
174           405           410           415
176 Gly Lys Ser Leu Leu Glu Arg Gly Ser Met Thr Met Glu Glu Arg Tyr
177           420           425           430
179 Tyr Gly Asn Ala Arg Ser Phe Asn Phe Glu Gln Met Gln Arg Val Ile
180       435           440           445
182 Pro Trp Ala Lys Arg Glu Trp Asp His Arg Glu Val Thr Ala Pro Ile
183       450           455           460
185 Tyr Ala Gln Ser Arg Asn Phe Asp Pro Val Ala Arg Met Gln His Leu
186 465           470           475           480
188 Asp Leu Phe Thr Trp Met Arg Gly Asp Ile Leu Val Lys Ala Asp Lys
189           485           490           495
191 Ile Asn Met Ala Asn Ser Leu Glu Leu Arg Val Pro Phe Leu Asp Lys
192           500           505           510
194 Glu Val Phe Lys Val Ala Glu Thr Ile Pro Tyr Asp Leu Lys Ile Ala
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197 Asn Gly Thr Thr Lys Tyr Ala Leu Arg Arg Ala Leu Glu Gln Ile Val
198       530           535           540
200 Pro Pro His Val Leu His Arg Lys Lys Leu Gly Phe Pro Val Pro Met
201 545           550           555           560
203 Arg His Trp Leu Ala Gly Asp Glu Leu Phe Gly Trp Ala Gln Asp Thr
204           565           570           575
206 Ile Lys Glu Ser Gly Thr Glu Asp Ile Phe Asn Lys Gln Ala Val Leu
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209 Asp Met Leu Asn Glu His Arg Asp Gly Val Ser Asp His Ser Arg Arg
210       595           600           605
212 Leu Trp Thr Val Leu Ser Phe Met Val Trp His Gly Ile Phe Val Glu
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219 &lt;210&gt; SEQ ID NO: 3

220 &lt;211&gt; LENGTH: 3825

221 &lt;212&gt; TYPE: DNA

222 &lt;213&gt; ORGANISM: Corynebacterium glutamicum

224 &lt;400&gt; SEQUENCE: 3

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229 gttacccatg gccactgctt caggggtaat gccatcaggc caaccatac gtaggaaatc 180
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347 ccaaaggggc acacggcacc gaagggccgt cccactccga agcgtcgtga agttgagtta 3720
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381 <213> ORGANISM: Artificial Sequence
383 <220> FEATURE:
384 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
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